

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES BRANCH

RECORD OF WELL

1. Location: State N.Y. County Rust.
Nearest P. O. _____ Direction from P. O. _____
Distance from P. O. _____ miles; $\frac{1}{4}$ sec. _____ T. _____ R. _____
If in city, give street and number Town of Kent
2. Owner: N.Y. Board of Water Supply Address _____
Driller: Spiegel and Henwood Address _____
3. Situation: Is well on upland, in valley, or on hillside? valley
4. Elevation of top of well: 499.1 ft. above the level of sea
(Above or below) (Sea, depot, lake, or stream)
5. Type of well: drilled; kind of drilling rig used diamond drill in bedrock
(Dug, driven, bored, or drilled) (Solid tool, jetting, rotary, etc.)
6. Depth of well: 67.2 ft.; year in which well was finished Oct. 9, '31; completed Oct. 17, 1931
Does well enter rock? yes; if so, at what depth? 42.7 ft.; kind of rock granite
7. Diameter: At top 2 1/2 inches; at bottom _____ inches.
8. Principal water bed: _____
(Gravel, sand, clay, or rock. If rock, state kind)
Depth to principal water bed _____ ft.; thickness of bed _____ ft.
If other water supplies were found, give depth to each _____
9. Casings: Kind yes; size 2 1/2"; length 56.2 ft.; between depths of 0 and 56.2 ft.
Kind latter pulled; size _____; length _____ ft.; between depths of _____ and _____ ft.
Kind _____; size _____; length _____ ft.; between depths of _____ and _____ ft.
- Packers (if any): Depth at which packers were used _____; kind _____
- Screen or Strainer: Was well finished with screen? _____; kind of screen _____;
length of screen _____ ft.; diameter _____ inches; size of openings _____
10. Head: Does well at present overflow without pumping? _____; did it overflow when new? _____;
if flowing, give pressure _____ lb. per sq. inch; or height water will rise in a pipe _____ ft. above surface;
original pressure or head _____; if not flowing, give water level in well _____ ft. below surface.
11. Pump: Is the well pumped? _____; kind of pump _____;
size or capacity of pump _____; kind of power _____
12. Yield: Natural flow at present (if any) _____ gallons per minute; original flow _____ gallons per minute;
well has been pumped at _____ gallons per minute continuously for _____ hours;
quantity of water ordinarily obtained from well _____ gallons per day.
13. Use: For what purpose is the water used? test hole
14. Quality of the water: _____; is there an analysis? _____
(Hard or soft, fresh or salty, etc.)
15. Cost of well, not including pump: _____ Temperature of water _____ ° F.

Name of person filling blank Spiegel

Date 10-27-30

Address _____

P617-~~P322~~733

Center 311	
No. 24	
Outlet #3	
S+H.	
Lake Carmel 7 1/2' apart	
154, 4.35, 1.3 E	
Carmel 15' apart	

LOG OF WELL

KIND OF ROCK OR OTHER MATERIAL (Give color and tell whether hard or soft)	DEPTH, IN FEET		THICKNESS, IN FEET	REMARKS (Especially information as to water found)
	From—	To—		
Sand & clay, approx 30% clay	0	13.2	13.2	Boulders at 4.1' & 4.5'
Fine stones with approx. 40% sand	13.2	19.1	5.9	
Fine sand	19.1	19.8	0.7	
Small stones with about 20% sand	19.8	29.1	9.3	Boulder at 21.3
Mostly clay, some small stones	29.1	30.2	1.1	Boulder at 30.2'
Small stones, small amount of sand	30.2	31.9	1.7	
Fine sand, few small stones	31.9	42.7	10.8	
Granitic rock with chlorite, hornblende, and pyroxene (Hornblende in black bands)	42.7	67.2	24.5	Large serpentine seam at 48.9' to 49.3'. Dip 80% Soft clay seam at 50.2 to 50.9'
Dynamite used 32 sticks - probably at 30.2' & 21.3 ft.				
Core recovery = 54.7 %.				
No loss of water.				
All casing pulled & hole filled with sand.				
Working time = 6 days. little progress on fifth day due to driving of casing.				